

Masayuki Murata

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370
papers

2,250
citations

20
h-index

34
g-index

490
ext. papers

2,891
ext. citations

2.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
370	Next Generation Intra-Vehicle Backbone Network Architectures 2021 ,		6
369	Mitigation of Flash Crowd in Web Services By Providing Feedback Information to Users. <i>IEICE Transactions on Information and Systems</i> , 2021 , E104.D, 63-75	0.6	
368	Platform Utilizing Similar Users Data to Detect Anomalous Operation of Home IoT Without Sharing Private Information. <i>IEEE Access</i> , 2021 , 9, 130615-130626	3.5	0
367	Anomaly Detection in Smart Home Operation From User Behaviors and Home Conditions. <i>IEEE Transactions on Consumer Electronics</i> , 2020 , 66, 183-192	4.8	24
366	System and application performance of function placement strategies for virtualized mobile fronthaul/backhaul networks 2020 ,		1
365	SDN-Based Control of IoT Network by Brain-Inspired Bayesian Attractor Model and Network Slicing. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5773	2.6	2
364	. <i>IEEE Access</i> , 2020 , 8, 166294-166303	3.5	
363	Detecting Malware-infected Hosts Using Templates of Multiple HTTP Requests 2020 ,		2
362	Reliable Design for a Network of Networks with Inspiration from Brain Functional Networks. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3809	2.6	1
361	Dispersing Content Over Networks in Information-Centric Networking. <i>IEEE Transactions on Network and Service Management</i> , 2019 , 16, 521-534	4.8	7
360	Reproducing Popularity Distribution of YouTube Videos. <i>IEEE Transactions on Network and Service Management</i> , 2019 , 16, 1100-1112	4.8	5
359	Anomaly Detection for Smart Home Based on User Behavior 2019 ,		7
358	Traffic Engineering and Traffic Monitoring in the Case of Incomplete Information. <i>IEICE Transactions on Communications</i> , 2019 , E102.B, 111-121	0.5	1
357	Mathematical modelling and application of frog choruses as an autonomous distributed communication system. <i>Royal Society Open Science</i> , 2019 , 6, 181117	3.3	6
356	Genetic algorithms for feature selection when classifying severe chronic disorders of consciousness. <i>PLoS ONE</i> , 2019 , 14, e0219683	3.7	22
355	An Improvement of Service Qualities by Edge Computing in Network-oriented Mixed Reality Application 2019 ,		1
354	Implementation of a real-time sound source localization method for outdoor animal detection using wireless sensor networks 2019 ,		2

353	Evolvable Virtual Network Function Placement Method: Mechanism and Performance Evaluation. <i>IEEE Transactions on Network and Service Management</i> , 2019 , 16, 27-40	4.8	21
352	Mobile Network Architectures and Context-Aware Network Control Technology in the IoT Era. <i>IEICE Transactions on Communications</i> , 2018 , E101.B, 2083-2093	0.5	1
351	Mobility-controlled flying routers for information-centric networking 2018 ,		2
350	Effects of C/U Plane Separation and Bearer Aggregation in Mobile Core Network. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 611-624	4.8	2
349	Hierarchical Model Predictive Traffic Engineering. <i>IEEE/ACM Transactions on Networking</i> , 2018 , 26, 1754-1867	3.67	2
348	Drawing Inspiration from Human Brain Networks: Construction of Interconnected Virtual Networks. <i>Sensors</i> , 2018 , 18,	3.8	4
347	Self-Organizing Control Mechanism Based on Collective Decision-Making for Information Uncertainty. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2018 , 13, 1-21	1.2	2
346	Bayesian-Based Virtual Network Reconfiguration for Dynamic Optical Networks. <i>Journal of Optical Communications and Networking</i> , 2018 , 10, 440	4.1	7
345	Integrated silicon photonic device design by attractor selection mechanism based on artificial neural networks: optical coupler and asymmetric light transmitter. <i>Optics Express</i> , 2018 , 26, 29032-29044	2.3	12
344	Oscillation Model for Describing Network Dynamics Caused by Asymmetric Node Interaction. <i>IEICE Transactions on Communications</i> , 2018 , E101.B, 123-136	0.5	19
343	Compact CAR: Low-Overhead Cache Replacement Policy for an ICN Router. <i>IEICE Transactions on Communications</i> , 2018 , E101.B, 1366-1378	0.5	3
342	Separating Predictable and Unpredictable Flows via Dynamic Flow Mining for Effective Traffic Engineering. <i>IEICE Transactions on Communications</i> , 2018 , E101.B, 538-547	0.5	3
341	Scalable Cache Component in ICN Adaptable to Various Network Traffic Access Patterns. <i>IEICE Transactions on Communications</i> , 2018 , E101.B, 35-48	0.5	2
340	Hierarchical Optimal Control Method for Controlling Large-Scale Self-Organizing Networks. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2018 , 12, 1-23	1.2	1
339	Lightweight Boolean Network Tomography Based on Partition of Managed Networks. <i>Journal of Network and Systems Management</i> , 2018 , 26, 284-313	2.1	0
338	Spatially-Dispersed Caching in Information-Centric Networking 2018 ,		5
337	Effects of Service Function Relocation on Application-level Delay in Multi-access Edge Computing 2018 ,		2
336	Autonomous and distributed mobility management in mobile core networks. <i>Wireless Networks</i> , 2017 , 23, 2093-2110	2.5	

335	Percolation analysis for constructing a robust modular topology based on a binary-dynamics model. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771770114	1.7	0
334	Dynamic Wavelength Allocation and Analytical Model for Flow Assignment in Optical Packet and Path Integrated Networks. <i>Journal of Optical Communications and Networking</i> , 2017 , 9, 304	4.1	1
333	A biological approach to physical topology design for plasticity in optical networks. <i>Optical Switching and Networking</i> , 2017 , 25, 124-132	1.6	2
332	Robustness and efficiency in interconnected networks with changes in network assortativity. <i>Applied Network Science</i> , 2017 , 2, 6	2.9	13
331	Web Service Flash Crowd Mitigation Using Feedback to Users 2017 ,		2
330	Cloud bursting approach based on predicting requests for business-critical web systems 2017 ,		7
329	Adaptive Virtual Topology Control Based on Attractor Selection. <i>Modeling and Optimization in Science and Technologies</i> , 2017 , 305-328	0.6	1
328	High Throughput Dequeuing Technique in Distributed Message Queues for IoT. <i>Journal of Information Processing</i> , 2017 , 25, 199-208	0.2	2
327	QoS-Aware Frequency-Based 4G+Relative Authentication Model for Next Generation LTE and Its Dependent Public Safety Networks. <i>IEEE Access</i> , 2017 , 5, 21977-21991	3.5	20
326	Improving resiliency against DDoS attacks by SDN and multipath orchestration of VNF services 2017 ,		2
325	A control method for autonomous mobility management systems toward 5G mobile networks 2017 ,		4
324	Design and performance evaluation of bearer aggregation method in mobile core network with C/U plane separation 2017 ,		5
323	Prediction-Based Cloud Bursting Approach and Its Impact on Total Cost for Business-Critical Web Systems. <i>IEICE Transactions on Communications</i> , 2017 , E100.B, 2007-2016	0.5	
322	A Study on Adaptive Scheduling Priority Control for Layered Cell Configuration. <i>IEICE Transactions on Communications</i> , 2017 , E100.B, 372-379	0.5	
321	Energy Saving Through a Buffer Control Approach for a Data Center Network With Hybrid Optoelectronic Routers. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 462	4.1	
320	Retrieving information with autonomously-flying routers in information-centric network 2016 ,		2
319	Evolutionary core-periphery structure and its application to network function virtualization. <i>Nonlinear Theory and Its Applications IEICE</i> , 2016 , 7, 202-216	0.6	7
318	Reducing State Information by Sharing IMSI for Cellular IoT Devices. <i>IEEE Internet of Things Journal</i> , 2016 , 3, 1297-1309	10.7	6

3 ¹⁷	Separating predictable and unpredictable flows via dynamic flow mining for effective traffic engineering 2016 ,		6
3 ¹⁶	Priority control based on website categories in edge computing 2016 ,		4
3 ¹⁵	An evolvable network design approach with topological diversity. <i>Computer Communications</i> , 2016 , 76, 101-110	5.1	
3 ¹⁴	Controlling Large-Scale Self-Organized Networks with Lightweight Cost for Fast Adaptation to Changing Environments. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2016 , 11, 1-26	1.2	6
3 ¹³	Placement of Virtual Storages for Distributed Robust Cloud Storage. <i>IEICE Transactions on Communications</i> , 2016 , E99.B, 885-893	0.5	0
3 ¹²	Proof Test of Chaos-Based Hierarchical Network Control Using Packet-Level Network Simulation. <i>IEICE Transactions on Communications</i> , 2016 , E99.B, 402-411	0.5	
3 ¹¹	Virtual Wireless Sensor Networks: Adaptive Brain-Inspired Configuration for Internet of Things Applications. <i>Sensors</i> , 2016 , 16,	3.8	8
3 ¹⁰	Analysis of Popularity Pattern of User Generated Contents and Its Application to Content-Aware Networking 2016 ,		2
3 ⁰⁹	Analyzing Effect of Edge Computing on Reduction of Web Response Time 2016 ,		4
3 ⁰⁸	Framework for traffic engineering under uncertain traffic information 2016 ,		2
3 ⁰⁷	Application of evolutionary mechanism to dynamic Virtual Network Function Placement 2016 ,		17
3 ⁰⁶	Impact of Fluctuating Goals on Adaptability of Evolvable VNF Placement Method 2016 ,		2
3 ⁰⁵	Abstraction Layer Based Virtual Data Center Architecture for Network Function Chaining 2016 ,		2
3 ⁰⁴	End-to-end reliability- and delay-aware scheduling with slot sharing for wireless sensor networks 2016 ,		9
3 ⁰³	Virtual Network Reconfiguration in Elastic Optical Path Networks for Future Bandwidth Allocation. <i>Journal of Optical Communications and Networking</i> , 2016 , 8, 633	4.1	7
3 ⁰²	Scalable Design Method of Attractors in Noise-Induced Virtual Network Topology Control. <i>Journal of Optical Communications and Networking</i> , 2015 , 7, 851	4.1	2
3 ⁰¹	Energy-efficient information dissemination based on received signal strength in wireless sensor networks 2015 ,		1
3 ⁰⁰	Design of Communication Architecture to Support Stream Data over Content-centric Networking 2015 ,		1

299	Traffic engineering based on stochastic model predictive control for uncertain traffic change 2015 ,		6
298	Aggregation of traffic information for hierarchical routing reconfiguration. <i>Computer Networks</i> , 2015 , 76, 242-258	5.4	1
297	Design and implementation of ICN-enabled IEEE 802.11 access points as nano data centers. <i>Journal of Network and Computer Applications</i> , 2015 , 50, 159-167	7.9	5
296	Joint Bearer Aggregation and Control-Data Plane Separation in LTE EPC for Increasing M2M Communication Capacity 2015 ,		15
295	Traffic Engineering Based on Model Predictive Control. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 996-1007	0.5	6
294	High-Speed Design of Conflictless Name Lookup and Efficient Selective Cache on CCN Router. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 607-620	0.5	4
293	Adaptive TTL Control to Minimize Resource Cost in Hierarchical Caching Networks. <i>IEICE Transactions on Information and Systems</i> , 2015 , E98.D, 565-577	0.6	
292	Improved Resilience through Extended KVS-Based Messaging System. <i>IEICE Transactions on Information and Systems</i> , 2015 , E98.D, 578-587	0.6	1
291	Cellular economy in fission yeast cells continuously cultured with limited nitrogen resources. <i>Scientific Reports</i> , 2015 , 5, 15617	4.9	4
290	Investigating structure of modern web traffic 2015 ,		4
289	Hierarchical Optimal Control Method for Controlling Self-Organized Networks with Light-Weight Cost 2015 ,		1
288	An analysis of energy consumption for TCP data transfer with burst transmission over a wireless LAN. <i>International Journal of Communication Systems</i> , 2015 , 28, 1965-1986	1.7	9
287	Free-Energy-Based Design Policy for Robust Network Control against Environmental Fluctuation. <i>Scientific World Journal, The</i> , 2015 , 2015, 464031	2.2	
286	Analyzing the Evolution and the Future of the Internet Topology Focusing on Flow Hierarchy. <i>Journal of Computer Networks and Communications</i> , 2015 , 2015, 1-18	2.5	3
285	Effective Flow Aggregation for Traffic Engineering. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 2049-2059	0.5	1
284	Traffic prediction for dynamic traffic engineering. <i>Computer Networks</i> , 2015 , 85, 36-50	5.4	26
283	2015 ,		1
282	Achieving Plasticity in WDM Networks: Application of Biological Evolutionary Model to Network Design 2015 ,		1

281	A design of an ICN architecture within the framework of SDN 2015 ,		14
280	Web performance acceleration by caching rendering results 2015 ,		2
279	Statistical Approximation of Efficient Caching Mechanisms for One-Timers. <i>IEEE Transactions on Network and Service Management</i> , 2015 , 12, 595-604	4.8	4
278	Optimizing Cache Location and Route on CDN Using Model Predictive Control 2015 ,		3
277	Self-organizing power law topology for the name resolution system of ICN. <i>Journal of Complex Networks</i> , 2015 , 3, 35-51	1.7	1
276	Network topology selection with multistate neural memories. <i>Expert Systems With Applications</i> , 2015 , 42, 3219-3226	7.8	6
275	Virtual Network Allocation for Fault Tolerance Balanced with Physical Resources Consumption in a Multi-Tenant Data Center. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 2121-2131	0.5	3
274	Optical Data Center Networks: Architecture, Performance, and Energy Efficiency 2015 , 351-391		3
273	Multi-ISP Cooperative Cache Sharing for Saving Inter-ISP Transit Cost in Content Centric Networking. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 621-629	0.5	1
272	Fast Repairing from Large-Scale Failure Using Hierarchical SDN Controllers. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 2269-2279	0.5	1
271	Virtual Network Reconfiguration With Adaptability to Traffic Changes. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 523	4.1	3
270	A predictive mechanism for enhancing adaptability of self-organised routing. <i>International Journal of Bio-Inspired Computation</i> , 2014 , 6, 384	2.9	
269	Enhancing Convergence with Optimal Feedback for Controlled Self-Organizing Networks 2014 ,		1
268	Mobility Tolerant Firework Routing for Improving Reachability in MANETs. <i>Future Internet</i> , 2014 , 6, 171-189		39
267	Development of onboard LPM-based header processing and reactive link selection for optical packet and circuit integrated networks 2014 ,		1
266	Virtual Network Allocation for Fault Tolerance with Bandwidth Efficiency in a Multi-tenant Data Center 2014 ,		1
265	Users' reaction to network quality during web browsing on smartphones 2014 ,		4
264	Flow aggregation for traffic engineering 2014 ,		8

263	2014,		5
262	Virtual Network Reconfiguration for Reducing Energy Consumption in Optical Data Centers. <i>Journal of Optical Communications and Networking</i> , 2014 , 6, 925	4.1	10
261	End-to-End Measurement of Hop-by-Hop Available Bandwidth 2014,		1
260	Optimization of Light-path Configuration Order in IP over WDM Networks using Fast Traffic Matrix Estimation 2014,		3
259	Resource Name-Based Routing in the Network Layer. <i>Journal of Network and Systems Management</i> , 2014 , 22, 1-22	2.1	1
258	A Distributed Mechanism for Probing Overlay Path Bandwidth Using Local Information Exchange. <i>IEICE Transactions on Communications</i> , 2014 , E97.B, 981-995	0.5	
257	Self-Organizing Name Resolution System in a Small World. <i>IEICE Transactions on Communications</i> , 2014 , E97.B, 2606-2615	0.5	1
256	Analysis of Blacklist Update Frequency for Countering Malware Attacks on Websites. <i>IEICE Transactions on Communications</i> , 2014 , E97.B, 76-86	0.5	1
255	Proposal and Evaluation of Attractor Perturbation-Based Rate Control for Stable End-to-End Delay. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2014 , 18-32	0.2	
254	Characteristic Analysis of Response Threshold Model and Its Application for Self-organizing Network Control. <i>Lecture Notes in Computer Science</i> , 2014 , 27-38	0.9	
253	Analysis of Coupling Effect of Layered Network Control. <i>IEICE Proceeding Series</i> , 2014 , 1, 727-730		
252	Modularity Structure and Traffic Dynamics of ISP Router-level Topologies. <i>IEICE Proceeding Series</i> , 2014 , 1, 94-97		
251	An Attractor Perturbation-Based Traffic Distribution Method and Its Practical Experiments. <i>IEICE Proceeding Series</i> , 2014 , 2, 350-353		
250	A Distributed Control of Virtual Network Topologies by Using Attractor Selection Model. <i>IEICE Proceeding Series</i> , 2014 , 1, 731-734		
249	Energy-Aware Cache Management for Content-Centric Networking 2013,		4
248	Potential based routing as a secondary best-effort routing for Information Centric Networking (ICN). <i>Computer Networks</i> , 2013 , 57, 3154-3164	5.4	17
247	Lifetime extension based on residual energy for receiver-driven multi-hop wireless network. <i>Cluster Computing</i> , 2013 , 16, 469-480	2.1	6
246	Potential-based routing for supporting robust any-to-any communication in wireless sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	3

245	Virtual topology control with multistate neural associative memories 2013 ,		1
244	Exploiting SCTP Multistreaming to Reduce Energy Consumption of Multiple TCP Flows over a WLAN. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 102-111	0.2	
243	Computing Path Blocking Probability and Delay in Optical Networks With Retrial. <i>Journal of Optical Communications and Networking</i> , 2013 , 5, 498	4.1	1
242	A Design Approach for Controlled Self-Organization-Based Sensor Networks Focused on Control Timescale. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 463605	1.7	
241	Energy efficient data caching for content dissemination networks. <i>Journal of High Speed Networks</i> , 2013 , 19, 215-235	0.4	8
240	Experimental demonstration of adaptive virtual network topology control mechanism based on SDTN architecture 2013 ,		5
239	Controlled and self-organized routing for large-scale wireless sensor networks. <i>ACM Transactions on Sensor Networks</i> , 2013 , 10, 1-27	2.9	16
238	Information-centric communication architecture for vehicular networking 2013 ,		1
237	2013 ,		2
236	A Method to Reduce Inter-ISP Transit Cost Caused by Overlay Routing Based on End-to-End Network Measurement. <i>IEICE Transactions on Information and Systems</i> , 2013 , E96.D, 289-302	0.6	
235	Noise-assisted concurrent multipath traffic distribution in ad hoc networks. <i>Scientific World Journal, The</i> , 2013 , 2013, 543718	2.2	2
234	A Low-Cost, Distributed and Conflict-Aware Measurement Method for Overlay Network Services Utilizing Local Information Exchange. <i>IEICE Transactions on Communications</i> , 2013 , E96.B, 459-469	0.5	2
233	An Application-Level Routing Method with Transit Cost Reduction Based on a Distributed Heuristic Algorithm. <i>IEICE Transactions on Communications</i> , 2013 , E96.B, 1481-1491	0.5	
232	SCTP Tunneling: Flow Aggregation and Burst Transmission to Save Energy for Multiple TCP Flows over a WLAN. <i>IEICE Transactions on Communications</i> , 2013 , E96.B, 2615-2624	0.5	1
231	Energy efficient content locations for in-network caching 2012 ,		4
230	A virtual network to achieve low energy consumption in optical large-scale datacenter 2012 ,		3
229	Proposal and evaluation of a future mobile network management mechanism with attractor selection. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	6
228	Optical-Layer Traffic Engineering With Link Load Estimation for Large-Scale Optical Networks. <i>Journal of Optical Communications and Networking</i> , 2012 , 4, 38	4.1	3

227	Autonomous and adaptive resource allocation among multiple nodes and multiple applications in heterogeneous wireless networks. <i>Journal of Computer and System Sciences</i> , 2012 , 78, 1673-1685	1	14
226	CATT: Cache aware target identification for ICN 2012 , 50, 60-67		17
225	Analyses of soft-state signaling protocols in GMPLS-Based WDM networks. <i>International Journal of Network Management</i> , 2012 , 22, 418-434	1.8	1
224	Energy efficient self-organizing control for wireless sensor networks inspired by calling behavior of frogs. <i>Computer Communications</i> , 2012 , 35, 661-669	5.1	15
223	Analyzing and modeling router-level internet topology and application to routing control. <i>Computer Communications</i> , 2012 , 35, 980-992	5.1	4
222	CATT 2012 ,		60
221	Error-Tolerant and Energy-Efficient Coverage Control Based on Biological Attractor Selection Model in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 971014	1.7	4
220	Data Center Network Topologies Using Optical Packet Switches 2012 ,		6
219	Performance improvement by collision avoidance of control packets in receiver-driven multihop wireless mesh networks 2012 ,		1
218	Adaptive Timer-Based Countermeasures against TCP SYN Flood Attacks. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 866-875	0.5	1
217	Evaluation of Effect of Network Energy Consumption in Load Distribution across Data Centers. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 501-517	0.2	0
216	Dynamics of Feedback-Induced Packet Delay in ISP Router-Level Topologies. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2785-2793	0.5	
215	Proposal for Autonomous Decentralized Structure Formation Based on Local Interaction and Back-Diffusion Potential. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 1529-1538	0.5	8
214	Analyzing and Utilizing the Collaboration Structure for Reliable Router-Level Networks. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2013-2021	0.5	
213	Robust and Resilient Data Collection Protocols for Multihop Wireless Sensor Networks. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2740-2750	0.5	4
212	Power Consumption Evaluation of Distributed Computing Network Considering Traffic Locality. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2538-2548	0.5	
211	An Inter-networking Mechanism Using Stepwise Synchronization for Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 276-287	0.2	2
210	TCP Symbiosis 2012 , 104-131		

209	Autonomy in excitation transfer via optical near-field interactions and its implications for information networking. <i>Nano Communication Networks</i> , 2011 , 2, 189-195	2.9	14
208	Proactive recovery from multiple failures utilizing overlay networking technique. <i>Telecommunication Systems</i> , 2011 , 52, 1001	2.3	1
207	A Self-Organizing Architecture for Scalable, Adaptive, and Robust Networking 2011 , 119-140		1
206	Comparison of robustness of time synchronisation in sensor networks. <i>International Journal of Autonomous and Adaptive Communications Systems</i> , 2011 , 4, 202	0.6	
205	A Transport-Layer Solution for Alleviating TCP Unfairness in a Wireless LAN Environment. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 765-776	0.5	1
204	Introduction of the Parameter "Approach Ratio" for the Improvement of Higher Delivery Rate with Suppressing Network Resource Consumption in Delay Tolerant Network. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 1669-1679	0.5	
203	Proposal for Dynamic Organization of Service Networks over a Wireless Sensor and Actuator Network. <i>Procedia Computer Science</i> , 2011 , 5, 240-247	1.6	1
202	Biological principles for future internet architecture design 2011 , 49, 44-52		25
201	Node pacing for small optical RAM-buffered packet-switching networks. <i>Photonic Network Communications</i> , 2011 , 22, 172-179	1.7	
200	A distributed measurement method for reducing measurement conflict frequency in overlay networks 2011 ,		1
199	Autonomous and Adaptive Wireless Networking with Bio-inspired Algorithms 2011 ,		5
198	Autonomous Decentralized Mechanism of Structure Formation Adapting to Network Conditions 2011 ,		4
197	Non Bandwidth-intrusive Video Streaming over TCP 2011 ,		2
196	Lifetime extension based on residual energy for receiver-driven multi-hop wireless network 2011 ,		3
195	A QoS-aware routing mechanism for multi-channel multi-interface ad-hoc networks. <i>Ad Hoc Networks</i> , 2011 , 9, 911-927	4.8	11
194	Buffer scaling for optical packet switching networks with shared RAM. <i>Optical Switching and Networking</i> , 2011 , 8, 12-22	1.6	2
193	Potential based routing for ICN 2011 ,		6
192	Controlled potential-based routing for large-scale wireless sensor networks 2011 ,		3

191	A Managed Self-Organization of Virtual Network Topology Controls in WDM-based Optical Networks. <i>Journal of Optical Communications</i> , 2011 , 32,	1.2	4
190	A transport-layer approach for improving thin-client performance in a WAN environment. <i>International Journal of Internet Protocol Technology</i> , 2011 , 6, 172	0.3	
189	Modeling and Analysis of Power Consumption in TCP Data Transmission over a Wireless LAN Environment 2011 ,		3
188	2011 ,		1
187	2011 ,		4
186	Energy-efficient receiver-driven wireless mesh sensor networks. <i>Sensors</i> , 2011 , 11, 111-37	3.8	18
185	An inter-networking mechanism with stepwise synchronization for wireless sensor networks. <i>Sensors</i> , 2011 , 11, 8241-60	3.8	3
184	Proposal and Evaluation of a Function-Distributed Mobility Architecture for the Future Internet. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 1952-1963	0.5	0
183	Function-distributed mobility system for the future Internet 2010 ,		2
182	Layered Attractor Selection for Clustering and Data Gathering in Wireless Sensor Networks 2010 ,		2
181	A reaction-diffusion-based coding rate control mechanism for camera sensor networks. <i>Sensors</i> , 2010 , 10, 7651-73	3.8	4
180	Gradually Reconfiguring Virtual Network Topologies Based on Estimated Traffic Matrices. <i>IEEE/ACM Transactions on Networking</i> , 2010 , 18, 177-189	3.8	29
179	. <i>IEEE Journal on Selected Areas in Communications</i> , 2010 , 28, 521-523	14.2	7
178	Adaptive Virtual Network Topology Control Based on Attractor Selection. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1720-1731	4	36
177	Error-Tolerant Coverage Control based on Bio-inspired Attractor Selection Model for Wireless Sensor Networks 2010 ,		3
176	Energy efficient sleep scheduling in wireless sensor networks inspired by satellite behavior of frogs 2010 ,		3
175	New framework of back diffusion-based autonomous decentralized control and its application to clustering scheme 2010 ,		3
174	Proactive recovery method against multiple network failures with overlay networking technique 2010 ,		1

173	Attractor selection and perturbation for robust networks in fluctuating environments. <i>IEEE Network</i> , 2010 , 24, 14-18	11.4	102
172	The impact of FQDN database updates on name-based routing architecture 2010 ,		1
171	Dynamics of Feedback-Induced Packet Delay in Power-Law Networks 2010 ,		1
170	A Model of Link Capacities in ISP's Router-Level Topology 2010 ,		1
169	A New TCAM Architecture for Managing ACL in Routers. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 3004-3012	0.5	4
168	Design Guidelines for New Generation Network Architecture. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 462-465	0.5	7
167	Reaction-diffusion based autonomous control of wireless sensor networks. <i>International Journal of Sensor Networks</i> , 2010 , 7, 189	0.8	17
166	Self-Organization Based Network Architecture for New Generation Networks. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 458-461	0.5	2
165	User selfishness vs. file availability in P2P file-sharing systems: Evolutionary game theoretic approach. <i>Peer-to-Peer Networking and Applications</i> , 2010 , 3, 17-26	3.1	9
164	Biologically Inspired Network Architecture for Future Networks. <i>Proceedings in Information and Communications Technology</i> , 2010 , 34-41		
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